

STEREO INTEGRATED AMPLIFIER

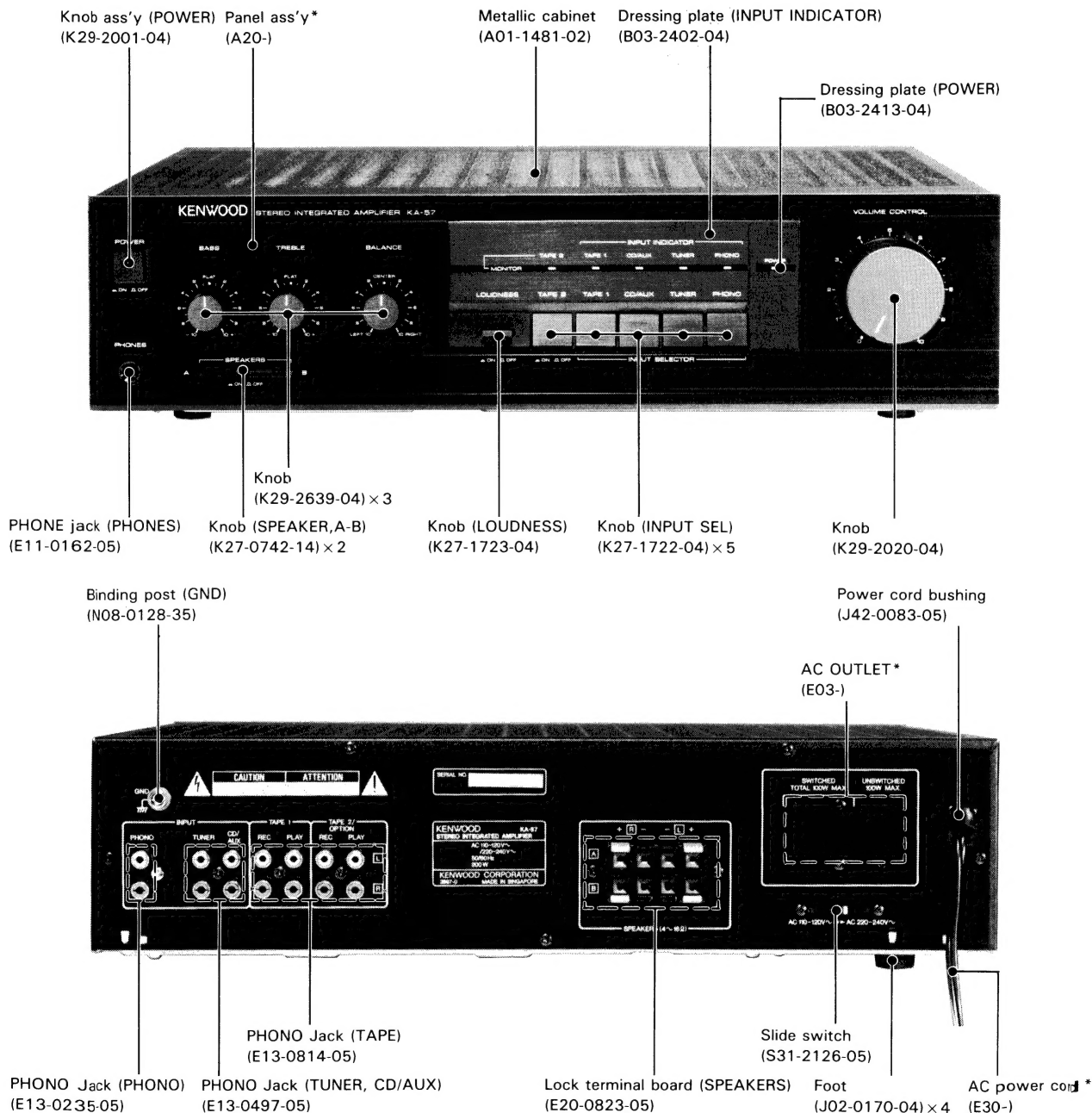
KA-57

SERVICE MANUAL

KENWOOD

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B51-3556-00(T)1698

0-11



* Refer to parts list on page 18.
Photo is KA-57.

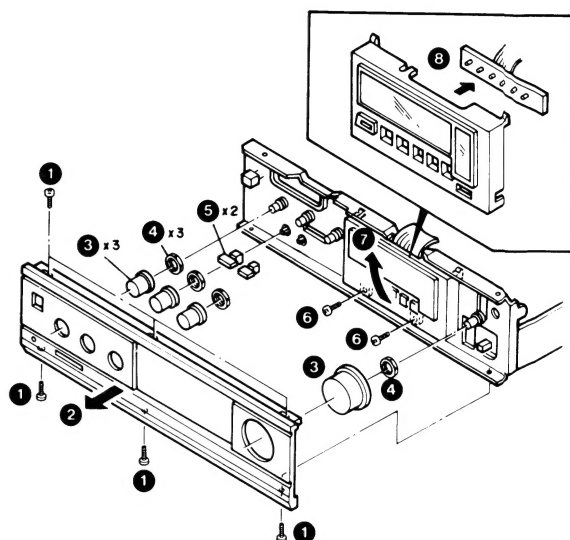
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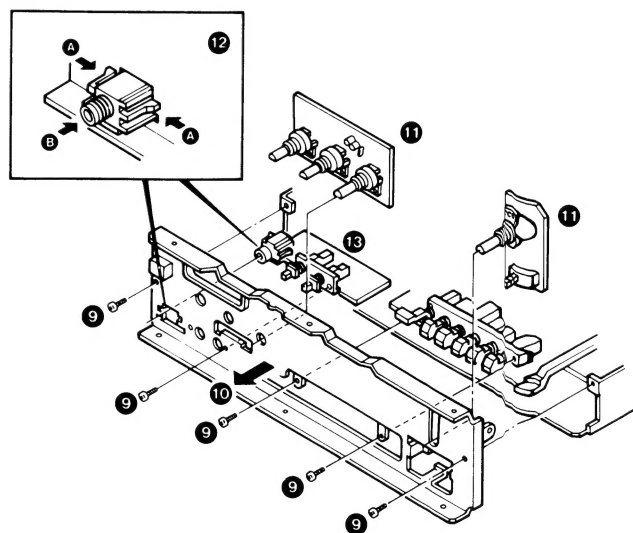
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DISASSEMBLY FOR REPAIR

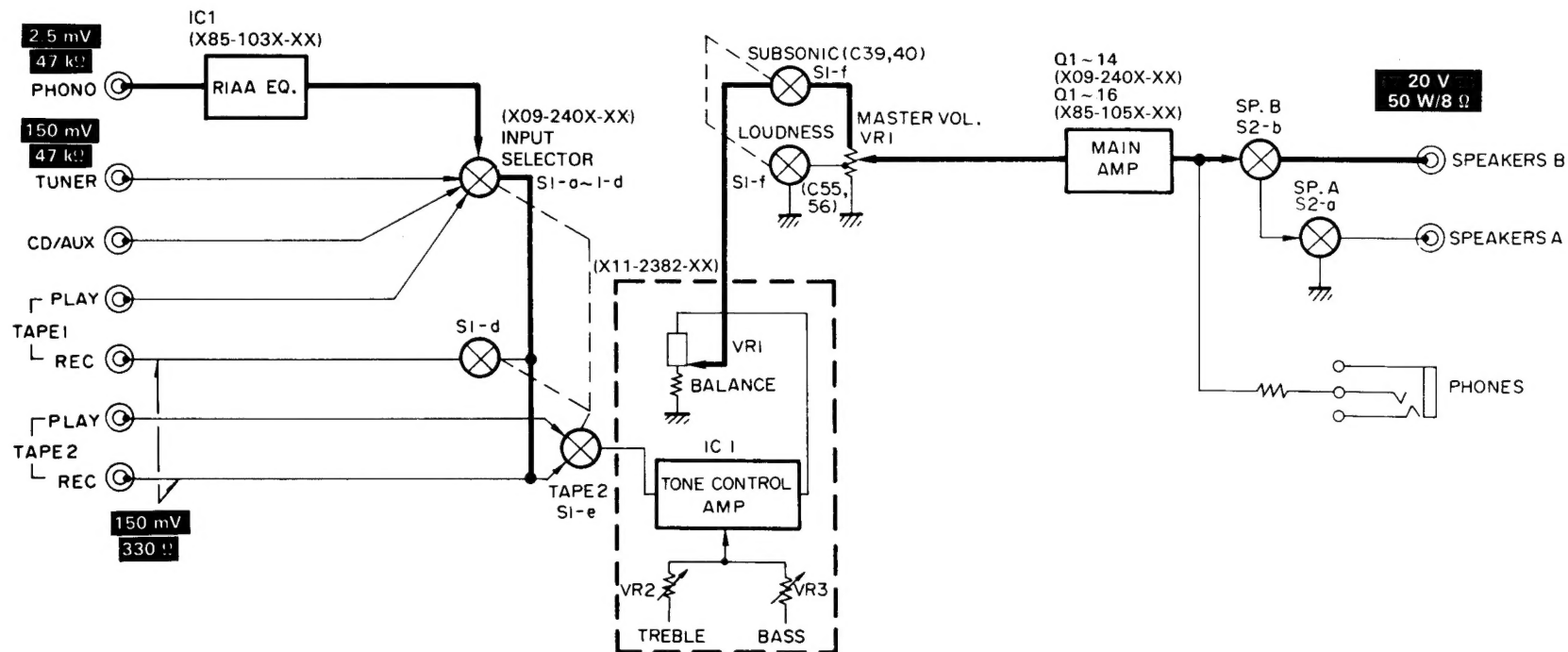
1. Remove the metallic cabinet before this operation.
2. Remove the 6 screws fixing the front panel to the sub panel (1).
3. Remove the front panel in the direction of the arrow (2).
4. Remove the 4 knobs from the BASS, TREBLE, BALANCE and VOLUME CONTROL (3).
5. Remove the 4 hex. nuts from the BASS, TREBLE, BALANCE and VOLUME CONTROL shafts (4).
6. Pull out the 2 buttons from the SPEAKERS shafts (5).
7. Remove the 2 screws fixing the escutcheon to the sub panel (6).
8. Remove the escutcheon in the direction of the arrow (7).
9. Remove the Audio Unit (X09-) (E/5) in the direction of the arrow (8).



10. Remove the 5 screws on the sub panel (9).
11. Remove the sub panel in the direction of the arrow (10).
12. Remove the Audio Unit (X09-) (C/5) and Tone Unit (X11-) (11).
13. Disengage the claws of the PHONES jack (12).
14. Remove the Audio Unit (X09-) (B/5) (13).



BLOCK & LEVEL DIAGRAM



CIRCUIT DESCRIPTION

UNIT-DESTINATION

	E	X, T, M, P		
POWER SUPPLY X00-239X-XX	0-51 (0-52)	X,T 0-51 (0-52)	M 0-81 (0-83)	P 1-01 (1-02)
TONE UNIT	X11-2382-70 (X11-2382-71)	← ←		
AUDIO UNIT	X09-2402-72 (X09-2632-72)	X09-2400-22 (X09-2630-22)		
PRE AMP UNIT	X85-1032-72 (X85-1112-71)	X85-1030-11 (X85-1110-10)		
MAIN AMP UNIT	X85-1050-12 (X85-1052-72)	X85-1050-12 (X85-1050-14)		

() SINGAPORE MADE

DESCRIPTION OF COMPONENTS

Audio unit (X09-240X-XX or X09-263X-XX)

Component	Application/function	Operation/condition/compatibility
Q1	+ voltage regulation	
Q2	– voltage regulation	
Q3, 4	Thermal compensation	C4137: High β transistor. (hfe 560 or more)
Q5-8	Driver	
Q9-12	Final stage power amp	
Q13, 14	Over current protection	
Q15, 16	Meter drive	
IC1 (UPC1237HA)	Protection IC	

Tone unit (X11-2382-XX)

Component	Application/function	Operation/condition/compatibility
IC1 (UPC4570C)	Tone amp	Output configuration tone amp.

Preamplifier unit (X85-103X-XX or X85-111X-XX)

Component	Application/function	Operation/condition/compatibility
IC1 (AN6556)	EQ amplifier	For phono.

Power amplifier unit (X85-105X-XX)

Component	Application/function	Operation/condition/compatibility
Q1-4	Class A 1st stage differential amp	
Q5-8	2nd stage differential amp	
Q9, 10	Class A amp	
Q11-14	3rd stage differential amp	2SC1904.
Q15, 16	Current mirror circuit	2SA899.

ADJUSTMENT/REGLAGES/ABGLEICH

ADJUSTMENT

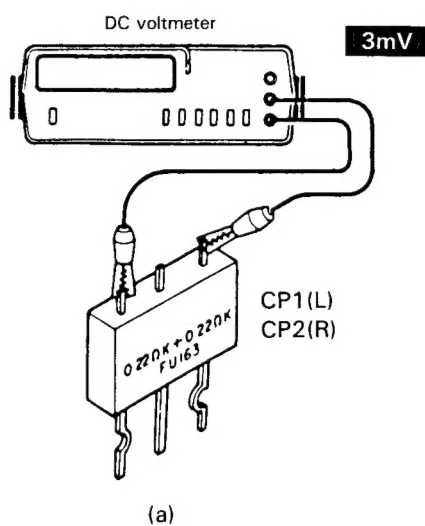
No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	AMPLIFIER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
1	IDLE CURRENT	—	Connect a DC voltmeter across CP1 (L) CP2 (R)	VOLUME: 0	VR1 (L) VR2 (R)	3mV	(a)

REGLAGES

N°	ITEM	REGLAGE DE L' ENTREE	REGLAGE DE LA SORTIE	REGLAGE DE L' AMPLIFICATEUR	POINS L' ALIGNEMENT	ALIGNER POUR	FIG.
1	COURANT DE POLARISATION	—	Connecter un voltmètre de CC sur CP1 (G) CP2 (D)	VOLUME: 0	VR1 (G) VR2 (D)	3mV	(a)

ABGLEICH

NR.	GEGENSTAND	EINGANGS-EINSTELLUNG	AUSGANGS-EINSTELLUNG	VERSTÄRKER EINSTELLUNG	ABGLEICH-PUNKTE	ABGLEICHEN FÜR	ABB.
1	LEERLAUFSTROM	—	Einen Gleichspannungsmesser ber CP1 (L) CP2 (R) anschließen.	VOLUME: 0	VR1 (L) VR2 (R)	3mV	(a)



VOLTAGE TABLES

X85-103X-XX
X85-111X-XX

IC1

4	-18.8V
8	18.3V

X09-240X-XX
X09-263X-XX

Q3,4

E	-1.2V
C	1.2V
B	—

Q5,6

E	—
C	47V
B	—

Q7,8

E	—
C	-47V
B	—

Q9,10

E	—
C	47V
B	—

Q11,12

E	—
C	-47V
B	—

IC1

4	1.8V
6	0.75V
7	2.2V
8	3.3V

X85-105X-XX

Q1~4

E	0V
C	17V
B	—

Q5, 6

E	17.6V
C	-11.3V
B	17V

Q7, 8

E	17.6V
C	—
B	17V

Q9,10

E	-0.6V
C	45.2V
B	—

Q11,12

E	-49.1V
C	-0.6V
B	-48.5V

Q13,14

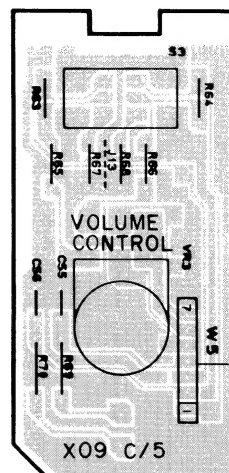
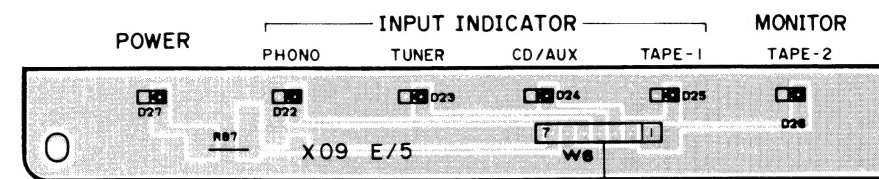
E	-49.1V
C	-1.2V
B	—

X11-2382-70
X11-2382-71

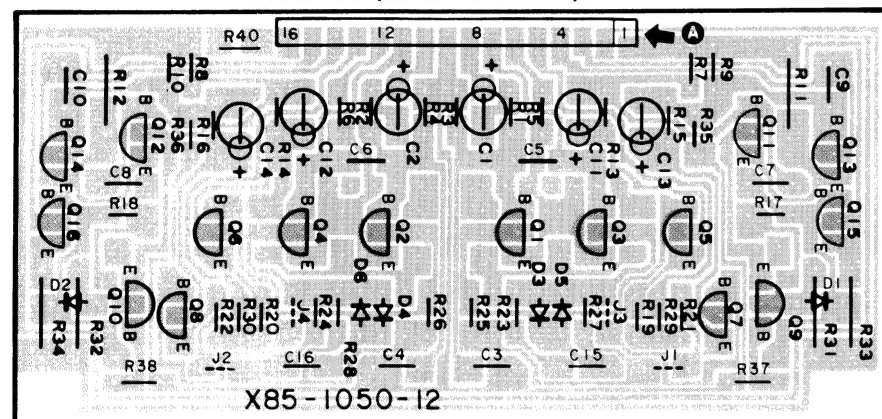
IC1

4	-16V
8	16V

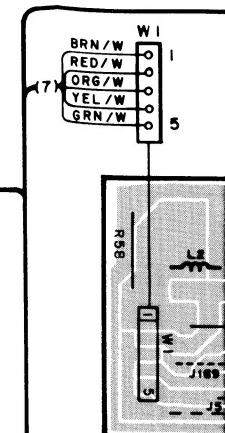
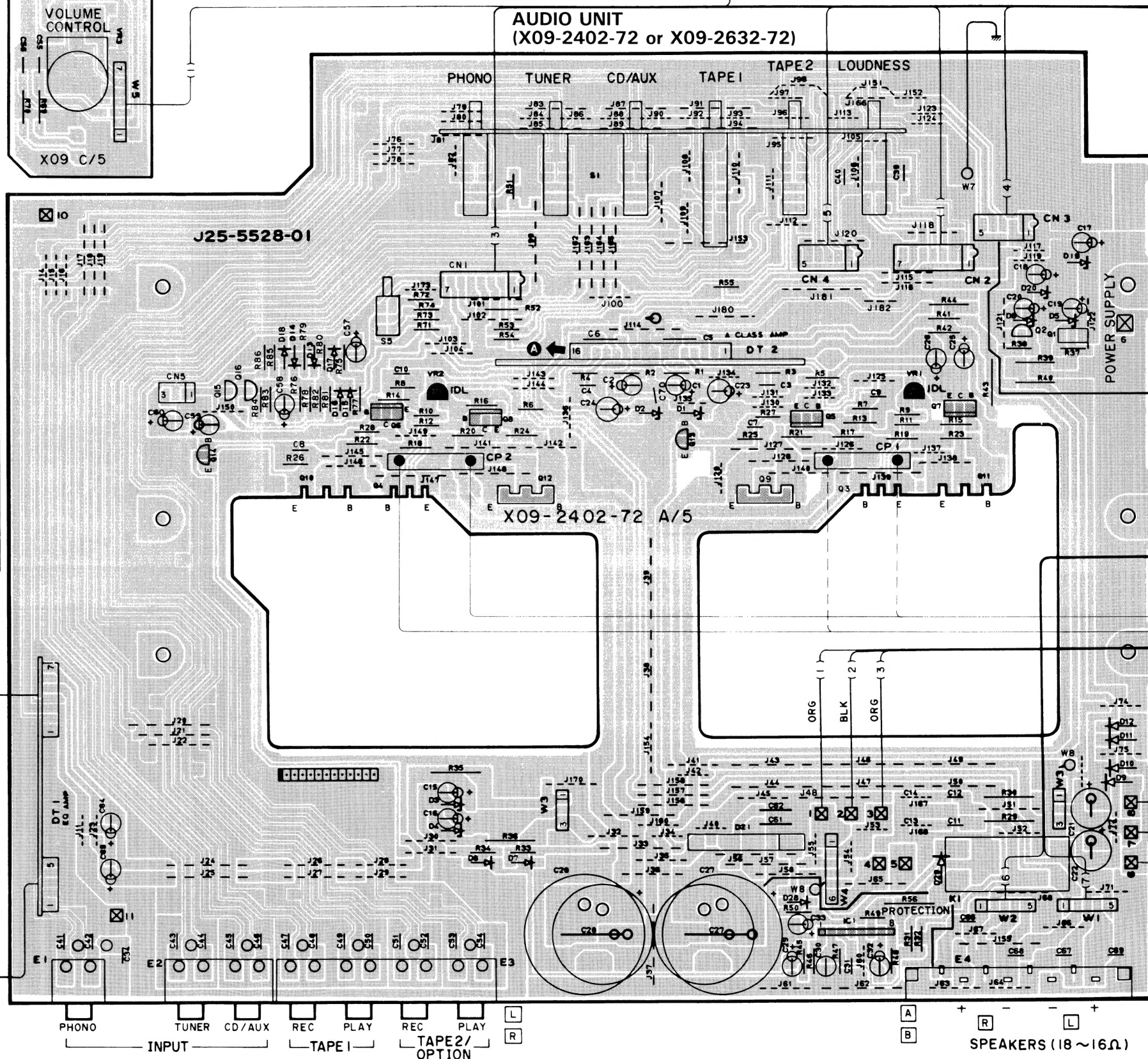
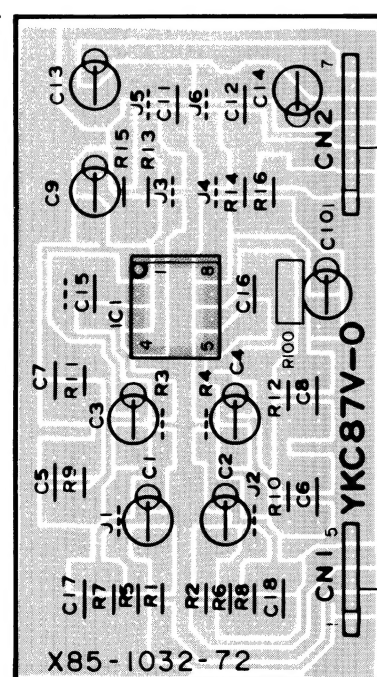
PC BOARD (Component side view)



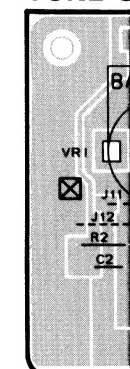
POWER AMPLIFIER UNIT (X85-1050-12)



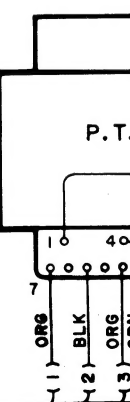
PREAMPLIFIER UNIT (X85-1032-72) (X85-1112-71)



TONE U

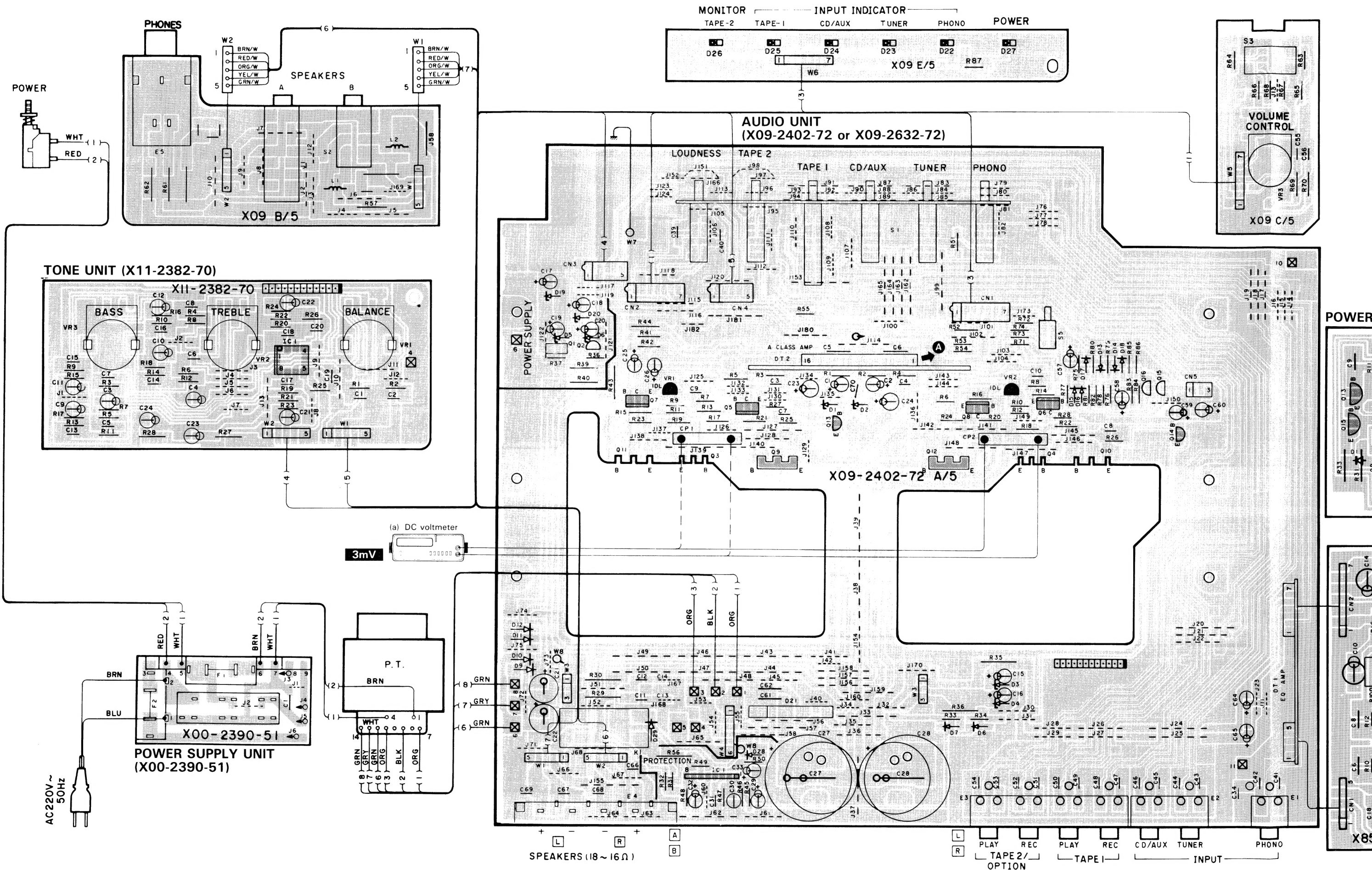


(a) DC volt



Refer to the s

PC BOARD (Foil side view)



(X09-240X-XX) (A/5)
(X09-263X-XX) (A/5)

(X85-103X-XX)
(X85-111X-XX)

(X85-103X-XX)
(X85-111X-XX)
IC1 : AN6556 or M5218P

(X85-105X-XX)
Q1~4 : 2SC1845(F,E)
Q5~8 : 2SA733(A)(Q,P) or 2SA999(E,F)
Q9~14 : 2SC2632(Q,R,S)
Q15,16 : 2SA1124(Q,R,S)

D1~6 : ISS176 or ISS133

DEST-NATION	(X85-103X-XX)	(X85-111X-XX)
2-72	0-11	2-71
Ref. No.	E	X,T,M,P
R1,2	1K	100
R3,4	100	J
R100	33	27
C15,16	2200P	560P
C17,18	220P	100P

(X85-105X-XX)

(X11-2382-70)
(X11-2382-71)

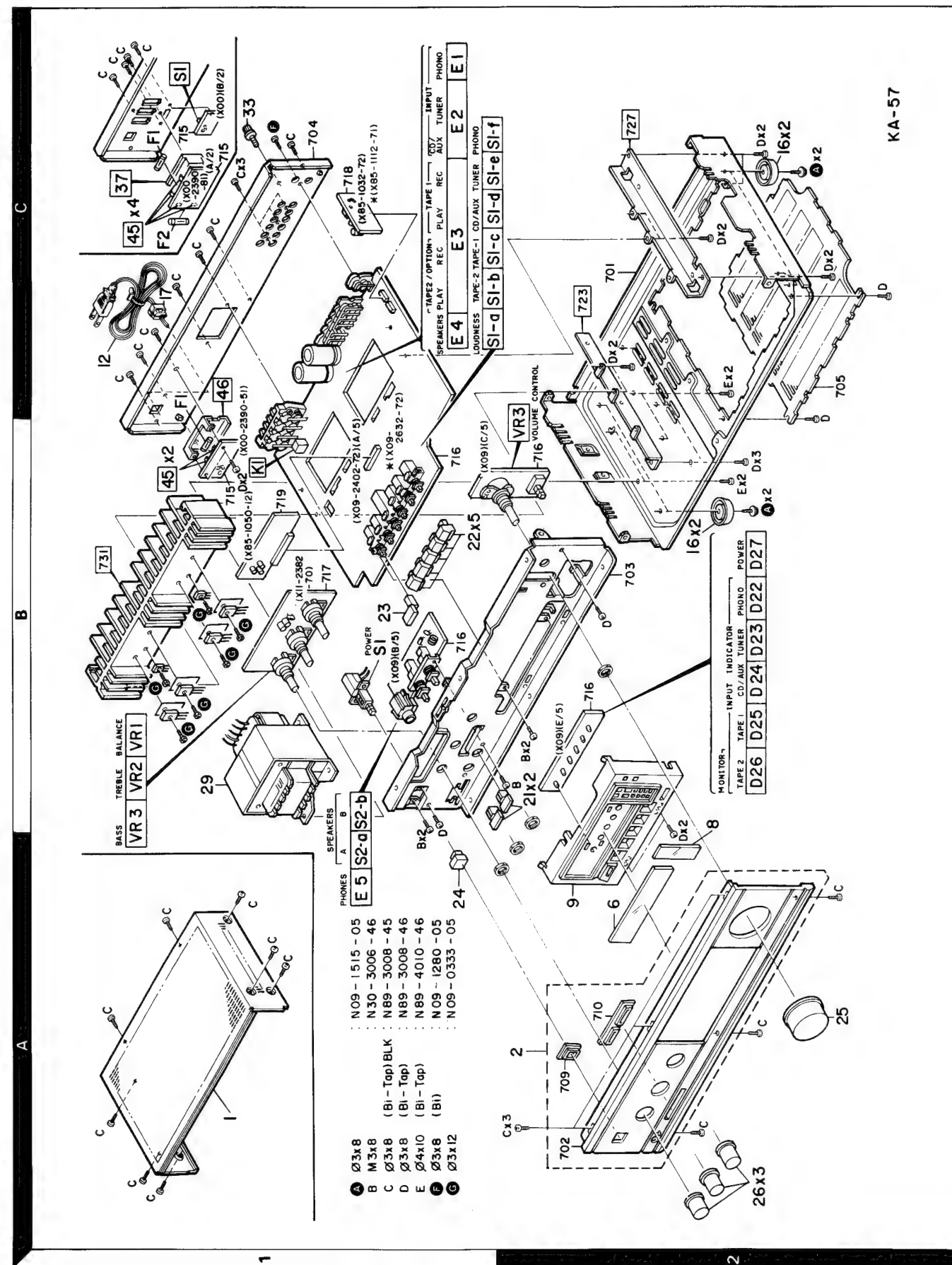
IC1 : μ PC4570C

(X09-240X-XX) (C/5)
(X09-263X-XX) (C/5)

(X09-240X-XX) (E/5)
(X09-263X-XX) (E/5)



EXPLODED VIEW



PARTS LIST

Parts without Parts No. are not supplied.

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Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
KA-57 (Singapore)						
1	1A		A01-1481-02	METALLIC CABINET		
2	2A	*	A20-5510-02	PANEL ASSY		
6	2A		B03-2402-04	DRESSING PLATE (INPUT INDICATOR)		
8	2B	*	B03-2413-04	DRESSING PLATE (POWER)		
9	2A		B07-1721-02	ESCUTCHEON		
			B46-0096-13	WARRANTY CARD	X	
			B46-0121-03	WARRANTY CARD	P	
			B46-0122-13	WARRANTY CARD		
			B46-0143-03	WARRANTY CARD	E	
		*	B50-8697-00	INSTRUCTION MANUAL (ENGLISH)		
		*	B50-8698-00	INSTRUCTION MANUAL (FRENCH)	EMXP	
		*	B50-8699-00	INSTRUCTION MANUAL (G.D.I)	E	
		*	B50-8700-00	INSTRUCTION MANUAL (SPANISH)		
		*	B50-8701-00	INSTRUCTION MANUAL (ARABIC)	M	
			B58-0803-13	CAUTION CARD	E	
△ 12	1C		E30-0459-05	AC POWER CORD		
△ 12	1C		E30-0812-05	AC POWER CORD	M	
△ 12	1C		E30-1341-05	AC POWER CORD	X	
△ 12	1C		E30-1416-05	AC POWER CORD	T	
△ 12	1C		E30-2209-05	AC POWER CORD	P	
△ F1	1C		F06-2021-05	FUSE (SEMKO) (250V T2A)	EXT	
△ F1	1C		F06-4024-05	FUSE (UL) (250V 4A)	P	
△ F1	1C		F05-2023-05	FUSE (250V 2A)	M	
		*	H01-7761-04	ITEM CARTON CASE		
			H10-3574-02	POLYSTYRENE FOAMED FIXTURE		
			H11-0015-04	POLYSTYRENE FOAMED BOARD		
			H25-0223-04	PROTECTION BAG (750X350X0.03)		
			H25-0232-04	PROTECTION BAG (235X350X0.03)		
△ 16	2B, 2C		J02-0170-04	FOOT		
△ 17	1C		J42-0083-05	POWER CORD BUSHING		
			J61-0307-05	WIRE BAND		
21	2B		K27-0742-14	KNOB (BUTTON) SPEAKER, A-B		
22	1B		K27-1722-04	KNOB (BUTTON) INPUT SEL		
23	1B		K27-1723-04	KNOB (BUTTON) LOUDNESS		
24	1A		K29-2001-04	KNOB ASSY (BUTTON) POWER		
25	2A		K29-2020-04	KNOB (MAIN VOL)		
26	2A		K29-2639-04	KNOB (TONE)		
△ 29	1B	*	L01-5171-05	POWER TRANSFORMER		
△ 29	1B	*	L01-5172-05	POWER TRANSFORMER	P	
△ 29	1B	*	L01-5177-05	POWER TRANSFORMER	XT	
△ 29	1B	*	L01-7635-05	POWER TRANSFORMER	E	
33	1C		N08-0128-35	BINDING POST (GND)		
A	2B, 2C		N09-1515-05	TAPPING SCREW (Ø3x8)		
F	1C		N09-1280-05	TAPTITE SCREW (Ø3x8)		
△ S1	1B		S40-1073-05	PUSH SWITCH (POWER)		
KA-57 (Japan)						
1	1A		A01-1481-02	METALLIC CABINET		
2	2A		A20-5510-02	PANEL ASSY		
6	2A		B03-2402-04	DRESSING PLATE (INPUT INDICATOR)		

E: Scandinavia & Europe K: USA P: Canada

U: PX (Far East, Hawaii) T: England M: Other Areas

UE: AAFES (Europe) X: Australia

△ indicates safety critical components.

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8	2B		B03-2413-04	DRESSING PLATE (POWER)		
9	2A		B07-1721-02	ESCUTCHEON		
			B46-0096-13	WARRANTY CARD	X	
			B46-0121-03	WARRANTY CARD	P	
			B46-0122-13	WARRANTY CARD	E	
			B46-0143-03	WARRANTY CARD	T	
		*	B50-8872-00	INSTRUCTION MANUAL (ENGLISH)		
		*	B50-8873-00	INSTRUCTION MANUAL (FRENCH)	EMXP	
		*	B50-8874-00	INSTRUCTION MANUAL (G.D.I)	E	
		*	B50-8875-00	INSTRUCTION MANUAL (SPANISH)	M	
		*	B50-8876-00	INSTRUCTION MANUAL (ARABIC)	M	
			B58-0803-13	CAUTION CARD	E	
Δ 12	1C		E30-0459-05	AC POWER CORD	E	
Δ 12	1C		E30-0812-05	AC POWER CORD	M	
Δ 12	1C		E30-0974-05	AC POWER CORD	P	
Δ 12	1C		E30-1341-05	AC POWER CORD	X	
Δ 12	1C		E30-1416-05	AC POWER CORD	T	
Δ F1	1C		F06-2021-05	FUSE (SEMKO) (250V T2A)	EXT	
Δ F1	1C		F06-4024-05	FUSE (UL) (250V 4A)	P	
Δ F1 .2	1C		F05-2023-05	FUSE (250V 2A)	M	
		*	H01-7841-04	ITEM CARTON CASE		
			H10-3317-02	POLYSTYRENE FOAMED FIXTURE		
			H11-0002-04	POLYSTYRENE FOAMED BOARD		
			H25-0223-04	PROTECTION BAG (750X350X0.03)		
			H25-0232-04	PROTECTION BAG (235X350X0.03)		
Δ 16	2B, 2C		J02-0170-04	FOOT		
Δ 17	1C		J42-0083-05	POWER CORD BUSHING		
			J61-0307-05	WIRE BAND		
21	2B		K27-0742-14	KNOB (BUTTON) SPEAKER, A-B		
22	1B		K27-1722-04	KNOB (BUTTON) INPUT SEL		
23	1B		K27-1723-04	KNOB (BUTTON) LOUDNESS		
24	1A		K29-2001-04	KNOB ASSY (BUTTON) POWER		
25	2A		K29-2020-04	KNOB MAIN VOL		
26	2A		K29-2639-04	KNOB TONE		
Δ 29	1B		L01-7631-05	POWER TRANSFORMER	P	
Δ 29	1B		L01-7632-05	POWER TRANSFORMER	XT	
Δ 29	1B		L01-7635-05	POWER TRANSFORMER	M	
Δ 29	1B		L01-7637-05	POWER TRANSFORMER	E	
33	1C		N08-0128-35	BINDING POST (GND)		
A	2B, 2C		N09-1515-05	TAPPING SCREW (Ø3X8)		
F	1C		N09-1280-05	TAPTITE SCREW (Ø3X8)		
Δ S1	1B		S40-1073-05	PUSH SWITCH (POWER)		
POWER SUPPLY UNIT (X00-2390-52)						
Δ C1			C91-0023-05	CERAMIC 0.01UF AC250V	M	
Δ C1			C91-0647-05	CERAMIC 0.01UF P	EXTP	
Δ 37	1C	*	E03-0077-05	AC OUTLET	M	
Δ 37	1C	*	E03-0078-05	AC OUTLET	P	
45	1C		J13-0041-05	FUSE CLIP	MP	
45	1B		J13-0054-05	FUSE CLIP	EXT	
46	1C	*	J21-3698-04	MOUNTING HARDWARE	EXT	

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Δ S1	1C		S31-2126-05	SLIDE SWITCH (POWER TYPE)	M	
AUDIO UNIT (X09-2402-72) (X09-2632-72: S)						
D22 -27	2B		B30-0431-05	LED (LN21CPH) MONI, INPUT INDI		
C1 .2			CE04KW1A101M	ELECTRO 100UF 10WV		
C3 .4			CC45FSL1H100D	CERAMIC 10PF D		
C5 .6			C91-0717-05	CERAMIC 4.7PF K		
C7 -10			CF92FV1H103J	MF 0.010UF J		
C11 -14			CF92FV1H333J	MF 0.033UF J		
C15 -18			CE04KW1E470M	ELECTRO 47UF 25WV		
C21 .22			CE04KW1V331M	ELECTRO 330UF 35WV		
C23 .24			CE04KW1E101M	ELECTRO 100UF 25WV		
C25 .26		*	CE04KW2AR22M	ELECTRO 0.22UF 100WV		
C27 .28			C90-0580-05	ELECTRO 4700UF 50WV		
C29			CE04KW1C220M	ELECTRO 22UF 16WV		
C30			C90-1334-05	NP-ELEC 47UF 10WV		
C31			CF92FV1H223J	MF 0.022UF J		
C32			CE04KW1C470M	ELECTRO 47UF 16WV		
C33			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		
C34			CF92FV1H223J	MF 0.022UF J		
C39 .40			CF92FV1H473J	MF 0.047UF J		
C41 .42			CC45FSL1H121J	CERAMIC 120PF J		
C43 .54			CK45FB1H561K	CERAMIC 560PF K		
C55 .56			CF92FV1H333J	MF 0.033UF J		
C61 .62			CK45FE2H103P	CERAMIC 0.010UF P		
C64 .65			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C66 .69			CF92FV1H562J	MF 5600PF J		
C70			CK45FF1H103Z	CERAMIC 0.010UF Z		
E1	1C		E13-0235-05	PHONE JACK (2P) PHONE		
E2	1C		E13-0497-05	PHONE JACK (4P) TUNER, CD/AUX		
E3	1C		E13-0814-05	PHONE JACK (8P) TAPE		
E4	1C		E20-0823-05	LOCK TERMINAL BOARD (8P) SPRKRS		
E5	1A		E11-0162-05	PHONE JACK (3P) PHONES		
L1 .2			L39-0085-05	PHASE-COMPENSATION COIL		
G	1B		N09-0333-05	TAPPING SCREW (Ø3X12)		
CP1 .2			R90-0187-05	MULTI-COMP 0.22X2 K 5W		
R13 .14			RD14AB2E220J	FL-PROOF RD 22 J 1/4W		
R15			RD14GB2E220J	FL-PROOF RD 22 J 1/4W		
R16			RD14AB2E220J	FL-PROOF RD 22 J 1/4W		
R17 -20			RD14AB2E331J	FL-PROOF RD 330 J 1/4W		
R21			RD14AB2E2R2J	FL-PROOF RD 2.2 J 1/4W		
R23 .24			RD14AB2E2R2J	FL-PROOF RD 2.2 J 1/4W		
R29 .30			RS14DB3D100J	FL-PROOF RS 10 J 2W		
R35 .36			RS14KB3A102J	FL-PROOF RS 1.0K J 1W		
R39 .40			RS14DB3A471J	FL-PROOF RS 470 J 1W		
R41 .42			RD14GB2E470J	FL-PROOF RD 47 J 1/4W		
R43			RS14KB3D152J	FL-PROOF RS 1.5K J 2W		
R44			RS14KB3A332J	FL-PROOF RS 3.3K J 1W		
R56			RS14DB3D221J	FL-PROOF RS 220 J 2W		
R57			RS14KB3A100J	FL-PROOF RS 10 J 1W		
R58			RS14DB3A100J	FL-PROOF RS 10 J 1W		
R61 .62			RS14DB3D471J	FL-PROOF RS 470 J 2W		
VR1 .2			R12-1066-05	TRIMMING PNT. (1K) 1DLE		

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
VR3	2B		R06-5151-05	POTENTIOMETER(100K B)VOL CONT		
K1	1B		S51-2078-05	MAGNETIC RELAY		
S1	2C	*	S42-6021-05	MULTIPLE PUSH SWITCH(INPUT SEL		
S2	1A, 1B	*	S42-2153-05	MULTIPLE PUSH SWITCH(SPEAKERS)		
D1 ,2			HZS20S(B)	ZENER DIODE		
D1 ,2			RD20ES(B)	ZENER DIODE		
D3 ,4		*	HZS16S(B)	DIODE		
D3 ,4			RD16ES(B)	ZENER DIODE		
D7 ,8			1SS133	DIODE		
D7 ,8			1SS176	DIODE		
D9 -12			DSM1A1	DIODE		
D19 ,20		*	HZS16S(B)	DIODE		
D19 ,20			RD16ES(B)	ZENER DIODE		
D21			RBV-402LFA	DIODE		
D28 ,29			1SS133	DIODE		
D28 ,29			1SS176	DIODE		
IC1			UPC1237HA	IC(POWER AMP)		
Q3 ,4			2SC3419(Y)	TRANSISTOR		
Q5 ,6			2SC3244(D,E)	TRANSISTOR		
Q7 ,8			2SA1284(D,E)	TRANSISTOR		
Q9 ,10			2SC3855	TRANSISTOR		
Q11 ,12			2SA1491	TRANSISTOR		
Q13 ,14			2SA733(A)(Q,P)	TRANSISTOR		
△ TONE UNIT (X11-2382-71)						
C1 ,2			CK45FB1H471K	CERAMIC 470PF K		
C3 ,4			CE04KW1V100M	ELECTRO 10UF 35WV		
C5 -8			CF92FV1H223J	MF 0.022UF J		
C9			CE04KW1V100M	ELECTRO 10UF 35WV		
C10			CE04JW1V100M	ELECTRO 10UF 35WV		
C11 ,12			CE04KW1V100M	ELECTRO 10UF 35WV		
C13 -16			CF92FV1H334J	MF 0.33UF J		
C17 ,18			CC45FSL1H150J	CERAMIC 15PF J		
C19 ,20			CK45FB1H681K	CERAMIC 680PF K		
C21			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C22			CE04CW1H010M	ELECTRO 1.0UF 50WV		
C23 ,24			CE04KW1E470M	ELECTRO 47UF 25WV		
R27 ,28			RD14GB2E470J	FL-PROOF RD 47 J 1/4W		
VR1	1B		R06-5134-05	POTENTIOMETER(200K BH)BALANCE		
VR2 ,3	1B		R06-3048-05	POTENTIOMETER(10K B)BASS,TREB		
IC1			UPC4570C	IC(OP AMP X2)		
PREAMPLIFIER UNIT (X85-1032-72)						
C1 ,2			CE04FW1C100M	ELECTRO 10UF 16WV		
C3 ,4			CE04FW1A470M	ELECTRO 47UF 10WV		
C5			CF92FV1H123J	MF 0.012UF J		
C6			CF92FV1H123J	MF 0.012UF J		
C7			CF92FV1H332J	MF 3300PF J		
C8			CF92FV1H332J	MF 3300PF J		
C9 ,10			CE04KW1V100M	ELECTRO 10UF 35WV		
C11 ,12			CK45FF1H103Z	CERAMIC 0.010UF Z		
C15 ,16			CK45FB1H222K	CERAMIC 2200PF K	E	
C15 ,16			CK45FB1H561K	CERAMIC 560PF K	MXTP	
C17 ,18			CC45FSL1H101J	CERAMIC 100PF J	MXTP	

E: Scandinavia & Europe K: USA

P: Canada

U: PX(Far East, Hawaii)

T: England

M: Other Areas

UE: AAFES(Europe)

X: Australia

△ indicates safety critical components.

PARTS LIST

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C17 ,18 IC1 IC1			CC45FSL1H221J AN6556 M5218P	CERAMIC 220PF J IC(OP AMP X2) IC(OP AMP X2)	E	
POWER AMPLIFIER UNIT (X85-1050-12)						
C1 ,2 C3 -6 C7 ,8 C9 ,10 C9 ,10			CE04FW1H2R2MEL CC45FSL1H101J CC45FSL1H331J CC45FSL1H220J CC45FSL1H390J	ELECTRØ 2.2UF 50WV CERAMIC 100PF J CERAMIC 330PF J CERAMIC 22PF J CERAMIC 39PF J	E	
C9 ,10 C11 -14 C15 ,16 C15 ,16 C15 ,16			CC45FSL1H390J CE04FW1H010MEL CK45FB1H152K CK45FB1H152K CK45FB1H222K	CERAMIC 39PF J ELECTRØ 1.0UF 50WV CERAMIC 1500PF K CERAMIC 1500PF K CERAMIC 2200PF K	MXTP E	
R11 ,12 R31 -34			RD14AB2E101JTS RD14AB2E221JTS	FL-PRØØF RD 100 J 1/4W FL-PRØØF RD 220 J 1/4W		
D1 -6 D1 -6 Q1 -4 Q5 -8 Q5 -8			1SS133 1SS176 2SC1845(F,E) 2SA733(A)(Q,P) 2SA799(E,F)	DIØDE DIØDE TRANSISTØR TRANSISTØR TRANSISTØR		
Q9 -14 Q15 ,16			2SC2632(Q,R,S) 2SA1124(Q,R,S)	TRANSISTØR TRANSISTØR		

E: Scandinavia & Europe K: USA

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 indicates safety critical components.

SPECIFICATIONS

Audio Section
Rated Power Output

50 watts per channel minimum RMS, both channels driven, at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.09% total harmonic distortion.

Maximum Continuous power output (IEC/NF) from 63 Hz to 12,500 Hz, 0.7% T.H.D.

8 ohms	55 W + 55 W
Both Channels Driven	60 W + 60 W 8 ohms at 1,000 Hz
	75 W + 75 W 4 ohms at 1,000 Hz

Music Power Output at 8 ohms

Total Harmonic Distortion

LINE input to SPEAKER output

(20 Hz to 20,000 Hz)	0.09% at rated power into 8 ohms
(20 Hz to 20,000 Hz)	0.03% at 1/2 rated power into 8 ohms
(1 kHz)	0.004% at 1/2 rated power into 8 ohms

Intermodulation Distortion (60 Hz:7 kHz = 4:1)

Damping Factor 40 (50 Hz at 8 ohms)

Power Bandwidth 10 Hz to 100 kHz at 0.2% T.H.D. 8 ohms

Frequency Response 10 Hz to 70 kHz, +0 dB, -3 dB

Input Sensitivity/Impedance

Phono 2.5 mV/47 k ohms

Tuner, Tape play, CD/AUX 150 mV/27 k ohms

Signal-to-Noise Ratio (IHF-A) (IHF'66)

Phono 75 dB for 2.5 mV input
81 dB for 5.0 mV input

Tuner, Tape play, CD/AUX 100 dB

Signal to Noise Ratio Unweighted at 50 mW (DIN)

Phono 57 dB

Tuner, Tape play, CD/AUX 59 dB

Channel Separation at 1 kHz (DIN)

Phono (Terminated with

2.2 kohms) 55 dB

Tuner, Tape play, CD/AUX (Terminated with

47 kohms + 250 pF) 44 dB

Phono Input Capacity (DIN) 220 pF

Phono Maximum Input Level 170 mV, T.H.D. 0.05% at 1 kHz

Output Level/Impedance

Tape REC (Pin) 150 mV/330 ohms

Phono Frequency Response RIAA standard curve ± 0.5 dB (20 Hz to 20 kHz)

Tone Control

Bass ± 9 dB at 100 Hz

Treble ± 8 dB at 10 kHz

Loudness Control +8 dB at 100 Hz (at -30 dB VOLUME Level)

General

Power Consumption 3 A (U.S.A. & Canada models)
200 W (Other countries)

Dimensions W: 420 mm (16-9/16")
H: 110 mm (4-5/16")
D: 277 mm (10-7/8")

Weight (Net) 6.1 kg (13.4 lb)

Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

Kenwood follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Kenwood poursuit une politique de progrès constants en ce qui concerne le développement. Pour cette raison, les spécifications sont sujettes à modifications sans préavis.

Kenwood strebt ständige, Verbesserungen in der Entwicklung an. Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.

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